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Card 6/6

MARTINKEVICH, Feliks Stanislavovich; KUZ'MINA, N.G., red.; KOSHELEVA, S.M., tekhn. red.

[Minsk] Minsk. Moskva, Gos. izd-vo geogr. lit-ry, 1958 95 p. (Minsk) (MIRA 11:10)

MARTINKEVICH, F.S., kand.geograf.nauk; SOBOLEV, Ye.Ya., kand.geograf.nauk; BOL'SHAKOVA, V.P., kand.ekonom.nauk; LAPETA, D.D., kand.ekonom. nauk; GLADKIY, N.I., kand.geograf.nauk, starshiy prepodavatel'; ANICHENKO, G.V., kand.geograf.nauk; KOTT, G.Z.; TRUBILKO, N.P., kand.ekonom.nauk; KOROLENKO, I.K., kand.ekonom.nauk; GUTSEV, Ye.G., kand.geograf.nauk; CHERNENKO, V.A.; CHERNYSH, L.P.. Prinimali uchastiye: KOZLOVA, A.I.; KOVALEVSKIY, P.V.; MAZURENKO, R.V.; KUVEYSHA, Ye.I.; KRYLOVA, V.S.; SERZHINSKIY, I.I.; KURKINA, Z.A.; KALECHITS, T.A.. ROMANOVSKIY, N.T., red.; KOSTEVICH, K.R., red.; TURTSEVICH, L., red.izd-va; SIDERKO, N., tekhn.red.

[Distribution of the industry of White Russia for the processing of agricultural raw materials] Razmeshchenie promyshlennosti BSSR po pererabotke sel'skokhozyaistvennogo syr'ia. Minsk, 1959. 193 p. (MIRA 13:6)

1. Akademiya nauk BSSR, Minsk. Institut ekonomiki. 2. Zaveduyushchiy sektorom razmeshcheniya proizvodstva Instituta ekonomiki Akademii nauk BSSR (for Martinkevich). 3. Institut narodnogo khozyaystva im. V.V.Kuybysheva (for Gladkiy).
(White Russia--Industries, Location of)

ANOKHIN, S.I.; ANTSUK, D.N.; GUTSEV, Ye.G.; GOLOVANCHIKOV, I.Ya.; NIKITENKO, V.G.; SHELELYAYEV, A.I.; MARTINKEVICH, F.S., red.; PASHKEVICH, O.N., red.; VASIL'YEVSKIY, I., red. izd-va; VOLOKHONOVICH, I., tekhn. red.

[Improving the efficiency of large-csale transports in the White Russian S.S.R.]Ratsionalizatsiia perevozok massovykh gruzov v Belorusskoi SSR. Minsk, 1963. 241 p. (MIRA 16:7)

1. Akademiya navuk BSSR. Minsk, Instytut ekonomiki.
(White Russia—Freight and freightage)

MARTINKEVICH, F. (Minsk); GUDAYKIN, A. (Minsk); MILOSERDOV, V. (Minsk); TRUBILKO, N. (Minsk)

Methodology of planning the state purchases of agricultural products. Vop. ekon. no.5:144-148 My '63. (MIRA 16:6)

(White Russia—Produce trade)

MARTINKEVICH, G.N. --

[redacted]

STRUCTURE AND PHYSICAL PROPERTIES OF MATTER IN A LIQUID STATE reports read at the 4th Conference convened in KIYEV from 1 to 5 June 1959, published by the Publishing House of KIYEV University, KIYEV, USSR, 1962

VINOGRADOV, I. G.; MARTINKIN, F. F.

Basic techniques for perfecting the process of weaving. Ratsionalizatsiia 11 no.9:23-24 '61.

(Weaving)

MARTINKO, Andras

"Petofi" by Pal Pandi. Reviewed by Andras Martinko.
Magy tud 69 no.8:530-531 Ag '62.

1. Magyar Tudomanyos Akademia Irodalomtorteneti Intezete tudomanyos munkatarsa, Budapest.

MARTINKO, Andras

"On the way of romanticism" by Jozsef Szauder. Reviewed by Andras Martinko. Magy tud 69 no.12:797-798 D '62.

1. Magyar Tudomanyos Akademia Irodalomtorteneti Intezete tudomanyos munkatarsa.

SAGI, Gyorgy; KOMAROMI, Lajos; JELICSKA, Sandor; SARDI, Tibor; KIRALY, Miklos; MARTINKO, Matyas; PAPP, Jozsef; LAKATOS, Gyorgy; MAGYAROSI, Istvan; HAJDU, Andras

Discussion of the 3d National Conference. Ujit lap 13 no.24:6-8 D '61.

1. Csepel Vas- es Femmuvek fomernoke (for Sagi) 2. Vasas Szakszervezet Muszaki Tanacsa Tapasztalatcsere Klubja titkara (for Komaromi) 3. Oragyar geplakatosa (for Jelicska) 4. Ezredes, Magyar Nephadsereg katonai ujitei (for Sardi) 5. Janos Korhaz ujitasi eloadoja (for Kiraly) 6. Varpalotai Szenbanyaszati Troszt (for Martinko) 7. Sutoipari Vallalat, Kaposvar (for Papp) 8. Hiradastechnikai Ipari Kutatointezet tudomanyos fomunkatarsa (for Lakatos) 9. Postas Szakszervezet (for Magyarosi) 10. Dunai Vasmu (for Hajdu).

MARTINKO, Matyas, okl. banyaipari gazdasagi mernok, trosztigazgato. Bany lap 95 no.1:44-53 Ja '62.

1. Varpalotai Szenbanyaszati Troszt, Varpalota.

MARTINKO, Pavel

A new transportation system. Zel dop tech 12 no. 4:86-87 '64.

MARTINKO, Pavel

Preparation of railroad transportation for the sugar beet campaign.
Zel dop tech 12 no.10: 279-280 '64.

MARTINKO, V.

Contribution to the classification of a defective dentition.
Cesk. stomat. 65 no.1:51-62 Ja '65

1. Stomatologicka katedra Lekarskej fakulty University Komenskeho v Bratislave (veduci: zast. prof. dr. S. Vergos).

MARTINKO, V.

Some considerations on the problem of recording intermaxillary relations. Cesk. stomat. 65 no.3:180-183 My'65.

1. Stomatologicka katedra Lekarskej fakulty University Komenskeho v Bratislave (veduci: prof. dr. S. Velgos) ; Subkatedra zubnych laboratov pri Ustave pre dalsie vzdelavanie SZP v Bratislave (riaditel : MUDr. J. Marianyi).

BUDOVOY, G.T.; MARTINKOV, I.P.; SHKOL'NIKOV, B.Ya.; GRIGOR'YEV, Ye.A.; SOLOMIN, V.V.; REZNIK, A.I.; IGNATOVICH, A.A.; OZONOV, A.K.; GILINSKOY, E.B.; ZHIRNOV, V.Ye.; NEMENSKIY, M.I.; VOLKOV, N.I., red.; VOSKANYAN, G.G., red.; KASTMOVSKIY, Ye.V., red.; FOMIN, A.Ya., red.; LISOV, V.Ye., red.; PONOMAREVA, A.A., tekhn. red.

[The district worker's manual; reference and methodological aid for economic and cultural planning in an administrative district]Spravochnik raionnogo rabotnika; spravochno-metodicheskoe posobie po planirovaniiu khoziaistvennogo i kul'turnogo stroitel'stva v administrativnom raione. Moskva, Ekonomizdat, 1962. 439 p. (MIRA 15:7)

(Russia--Economic policy--Handbooks, manuals, etc.)

L 13581-66 EWT(m)

ACC NR: AP6006062 SOURCE CODE: CZ/0053/65/014/004/0304/0304

33 B

AUTHOR: Martinkova, J.; Grossmann, V.

ORG: Institute of Pharmacology, Medical Faculty, Charles University, Hradec Kralove (Farmakologicky ustav lek. fak. KU)

TITLE: Changes in procaine metabolism in irradiated rats [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 29 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 304

TOPIC TAGS: rat, biologic metabolism, radiation biologic effect, nervous system drug, anesthetic

ABSTRACT: In whole-body irradiated rats with a lethal dose (600 r) and treated with procaine 15 mg /Kg i.v. and 25 mg /Kg p.o. treated 6 days postirradiation, the quantity of procaine excreted as such was significantly lower than in nonirradiated animals. M. Brunatova and E. Felgrova participated in the technical work. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007

Card 1/1 NW

NEKRASHEVICH, I. G., AND MARTINKOV, YE. G.

Method of Spectrum Scanning for the Study of Nonstationary Processes

A method for studying of nonstationary electric and optic processes at contact or interruption of low tension currents was devised. As example results of scanning of a spectrum of 775 mF condenser discharge at a voltage drop of 500 V is given. (RZhFiz, No. 8, 1955)
Uch. Zap. Belorus. un-ta, No. 19, 1954, 108-115.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

MARTINKOV, Ye.G.

Investigating a spark discharge in regions near the electrode by means of spectrum analysis. Fiz.sbor. no.4:164-166 '58. (MIRA 12:5)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Spectrum analysis) (Electric spark)

SOV/48-22-6-27/28

AUTHORS: Labuda, A. A., Martinkov, Ye. G., Nekrashevich, I. G.

TITLE: On Measuring the Temperature of a Cloud of Luminescent Vapors in Electric Pulse Discharges (Ob izmerenii temperatury oblaka svetyashchikhsya parov pri impul'snykh elektricheskikh razryadakh)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya fizicheskaya, 1958, Vol. 22, Nr 6, pp. 720-724 (USSR)

ABSTRACT: In their introduction the authors describe the method developed for this purpose by Ornshteyn as inadequate because it is subject to considerable restrictions. As soon as these restrictive conditions were not satisfied, different results were obtained for one and the same discharge according to what pair of lines was investigated (Ref 1). This was confirmed also by L. Huldt. It is however, possible to obtain an approximation to these conditions if, for purposes of measuring temperature, the spectrum is used within an interval of time which is suited with respect to a smaller volume of the luminescent cloud. In the course of this paper the method developed by Ornshteyn was tested for the

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On Measuring the Temperature of a Cloud of Luminescent Vapors in Electric Pulse Discharges SOV/48-22-6-27/28

measurement of temperature by using a metal wire in the spark discharge or electric explosion. It was found that a discharge brought about by a wire with d $\leq$ 0,05 mm does not differ at all from a discharge in air, but that it offers the advantage that variation is possible and that the quantity of the evaporated substance can be accurately determined. Discharge experiments carried out in air and under atmospheric pressure were investigated both in the case of aperiodic and rectangular pulses. The spectral field was investigated by means of a prismatic spectrograph which was synchronized with the double beam pulse oscillograph. The entire device corresponded to the description given in the paper (Ref 1) and was used for the purpose of obtaining the light spectrum of the discharge for the period of [illegible] microseconds. Results are described by 3 diagrams: 1.) The dependence of the relative intensity of the spectral lines on the distance from the discharge axis in a pulse discharge brought about by a thin wire for Fe I Al II and Al III. 2.) Its dependence on the time of the passage of the pulse discharge through the thin wire and the distance from the discharge axis. 3.) Temperature development with respect

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On Measuring the Temperature of a Cloud of Luminescent Vapors in Electric Pulse Discharges SOV/48-22-6-21/28

to time: Ba II $\frac{J_{4934}}{J_{4524}}$, Ba II $\frac{J_{4934}}{J_{4899}}$ and Ba I $\frac{J_{6063}}{J_{5519}}$.

Experiments showed that Ornshteyn's method of using thin wires is possible, but only if zonal distribution and the excitation of spectral lines with respect to time are taken into account. The method cannot be employed for the purpose of determining temperature according to the relative intensity of two spectral lines with considerably differing upper levels, as e.g. according to spark- and arc lines, because excitation does not take place simultaneously with respect to different zones of the discharge. There are 3 figures and 7 references, 3 of which are Soviet.

ASSOCIATION: Belorusskiy gos. universitet im. V. I. Lenina (Belorussian State University imeni V. I. Lenin)

1. Electric discharges--Spectra 2. Electric dishcarges--Temperature
3. Temperature--Measurement 4. Spectroscopy

Card 3/3

SOV/58-59-8-18395

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 197 (USSR)

AUTHORS: Labuda, A.A., Martinkov, Ye.G., Nekrashevich, I.G., Taumin, D.A.

TITLE: An Apparatus for Studying the Temporal Course of the Optical and Electrical Parameters of a Spark Discharge

PERIODICAL: Uch. zap. Belorussk. un-t, 1958, Nr 41, pp 41-49

ABSTRACT: An apparatus is described for studying in time the optical and electrical parameters of a spark discharge. The time-base sweep of the spectrum is carried out with the aid of a rotating mirror The mirror is a trihedral prism with an oblique mirror-surface, fastened to another, similar prism in order to balance the rotating system. The time resolution is up to $5.3 \cdot 10^{-7}$ sec. The apparatus has a synchronization system which serves to collocate in time the spectral and electrical (current and voltage) characteristics of the discharge, and also for inducing the discharge at the required moment of time.

N.M. Yashin

Card 1/1

SOV/58-59-8-19044

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 284 (USSR)

AUTHOR: Martinkov, Ye.G.

TITLE On Measuring the Temperature of a Condensed Spark Discharge Between Metallic Electrodes

PERIODICAL: Uch. zap. Belorussk. un-t, 1958, Nr 41, pp 63-70

ABSTRACT: The author reports on spectroscopic measurements of the temperature of a spark discharge.

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MARTINKOV, Ye.G.; NEKRASHEVICH, I.G.

Temperature of an impulsive electric discharge in the electrode zone as a function of electrode material. Dokl. AN BSSR 3 no.4: 143-145 Ap '59. (MIRA 12:10)

1. Predstavleno akademikom AN BSSR B.I. Stepanovym.
(Electric discharges)

MARTINKOV, Yu.G.

66702

24.2/20 SOV/109-4-8-22/33

AUTHORS: Granovskiy, V.L., Luk'yanov, S.Yu., Spivak, G.V. and Sirotenko, I.G.

TITLE: Report on the Second All-Union Conference on Gas Electronics

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol 4, Nr 8, pp 1339 - 1358 (USSR)

ABSTRACT: The conference was organised by the Ac.Sc.USSR, the Ministry of Higher Education and Moscow State University.
A.A. Timofeyev - "Measurement of the Gas Density During the Dynamic Operation of a Discharge" (see p 1306 of the journal).A.V. Nedospasov - The Nature of a Striated Positive Column".
V.L. Persl' and Yu.M. Kagan - "The Theory of Probes for Arbitrary Pressures".
Yu.M. Kagan et al. - "The Positive Column of a Discharge in a Diffusion Regime".
M.V. Konyukov - "Influence of the Processes of the Annihilation of the Negative Ions on Their Concentration in the Column".
M.D. Gabovich and L.L. Pasechnik - "Anomalous Scattering, Excitation of Plasma Oscillations and Plasma Resonance"
Yu.L. Klimontovich - "Energy Lost by Charged Particles for the Excitation of the Oscillations in Plasma (the Langmuir paradox)" and "The Theory of Non-linear Plasma Oscillations".
Ye.G. Martinkov and I.G. Nekrashevich - "Dependence of the Temperature in the Near-electrode Region of a Pulse Discharge on the Material of the Electrodes".
N.A. Neratina and B.N. Klyarfel'd - "Formation of Light Spots on the Anode of a Gas Discharge (see p 1301 of the journal).
N.A. Matveyeva -"Distribution of Binary Mixtures of Inert Gases in a d.c. Discharge".
V.G. Stepanov and V.P. Zakharchenko - "Some Phenomena in Rarified Plasma".
V.G. Stepanov and V.S. Bokel' - "The Possibility of Obtaining Highly Concentrated Plasmas".
G.V. Smirnitskaya and E.M. Reykhrudel' - "Some Characteristics of the Discharge in an Ion Pump and in a Magnetic Ionisation Vacuum Gauge".
Ye.T. Kucherenko and O.E. Nazarenko - "Properties of a Discharge with Electron Oscillations in a Magnetic Field" (see p 1253 of the journal).
The paper by L.M. Biberman and B.A. Veklenko considered the approximate methods for determining the concentration of atoms at the radiation levels.
I.I. Sobel'man and L.A. Vaynshteyn read a paper on "A Non-stationary Theory of the Stark Broadening of the Spectral Lines in Plasma".
M.A. Mazing and S.L. Mandel'shtam - "The Broadening and the Shift of Spectral Lines in a Gas-discharge Plasma".
R. Lent (England) - "The Kinetics of Electron Collisions Leading to the Excitation of the Molecular Hydrogen in a Hydrogen Discharge".
V.N. Kolesnikov et al. - "Some Properties of the Arc Discharge in an Atmosphere of Inert Gases".
A.A. Mak and M.P. Vanyukov - "Production of High Temperatures By Means of Spark Discharges".

24(7) PHASE I BOOK EXPLOITATION SOV/1700

Lvov. Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii, 1956. t. II: Atomnaya spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol 2: Atomic Spectroscopy) /Lvov/ Izd-vo L'vovskogo univ., 1958. 568 p. (Series: Its: Fizicheskiy sbornik, vyp.4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Resp. Ed.); B.S. Neporent, Doctor of Physical and Mathematical Sciences; I.L. Fabelinskiy, Doctor of Physical and Mathematical Sciences; V.A. Fabrikant, Doctor of Physical and Mathematical Sciences; V.G. Koritskiy, Candidate of Technical Sciences; S.M. Rayskiy, Candidate of Physical and Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Mathematical Sciences; V.S. Miliyanchuk (Deceased), Doctor of Physical and Mathematical Sciences; A.Ye. Glauberman, Doctor of Physical and Mathematical Sciences; Ed.: S.L. Gazer; Tech. Ed.: T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectrography presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electromagnetic radiation, physicochemical methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables, and atlases of spectral lines, spark spectrographic analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochemistry in metallurgy, and principles and practice of spectrochemical analysis.

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Materials of the 10th All-Union Conference (Cont.) SOV/1700

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S/170/60/003/007/012/018
B019/B067

26.2311

AUTHOR: Martinkov, Ye G

TITLE: Study of the Space - Time Characteristics of a Luminous Cloud of a Spark Discharge

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960 Vol 3 No 7, pp. 67 - 71

TEXT: An apparatus is described by means of which a space - time analysis of the luminescence of individual spectral lines of a spark discharge can be made The resolution in time is 0 2 microsecond, and the spatial resolution is 0 2 mm The path of rays in the apparatus is shown in Fig The apparatus consists of the discharge gap S, the condenser K the inlet and outlet slits B_1 and B_2 of the monochromator, the objective O, a revolving mirror M, and the film F With this apparatus the luminescence of the spectral lines of nitrogen and some metals was studied The pictures shown in Figs 2, 3, and 4 prove the zonal character of the excitation of spectral lines A change in the luminous power with change in

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Study of the Space - Time Characteristics of a Luminous Cloud of a Spark Discharge

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B019/B067

polarity was observed on all lines. It was found to be particularly [illegible] for spectral lines of a high excitation energy (e.g., Al III, N II, Al [illegible] Mg II). Luminescence is weaker near the anode than near the cathode. In the initial stage of discharge, a shock wave is observed. The effect of the spacing and shape of the electrodes is briefly discussed. For point electrodes, the discharge channel is spatially fixed. For flat electrodes several discharge channels are observed at the same time. The results indicate that the luminescence is directly connected with the passage of current. The discharge is described as follows: Plasma is formed in the discharge gap, and a varying number of discharge channels are formed at the points of contact between plasma and electrodes. The discharge channels are unstable. The use of this instrument was described by L. G. Gribkovskaya in her diploma thesis. S. M. Raysky (Ref. 4) is mentioned. The author thanks I. G. Nekrashevich for valuable discussions and his interest in this work. There are 4 figures and 8 references: 6 Soviet, 1 US and 1 German.

ASSOCIATION: Gosudarstvennyy universitet im. V. I. Lenina, g. Minsk (State University imeni V. I. Lenin, Minsk)

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S/170/60/003/007/012/018/XX
B019/B067

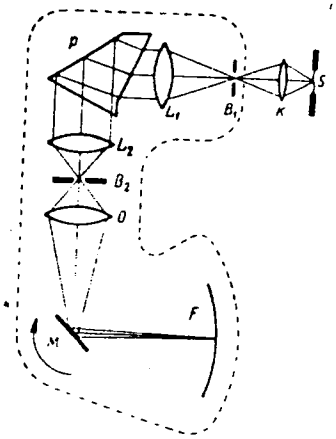

Рис 1. Оптическая схема установки:

S—разрядный промежуток; K—конденсор; B_1 и B_2—входная и выходная щели монохроматора; O—объектив, M — вращающееся зеркало; F—фотопленка

Card 3/3

CZECHOSLOVAKIA

MARTINKOVA, J.; GROSSMAN, V.; KRUMLOVA, M.; Pharmacological Institute, Medical Faculty, Charles University (Farmakologicky Ustav Lek. Fak. KU), Hradec Kralove.

"Changes in the Metabolism and the Effect of Procaine After Irradiation."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 413

Abstract: The distribution of procaine between the blood corpuscles and the plasma after irradiation was investigated. Procaine is present more in the corpuscles than in the plasma following irradiation; on the 3rd day the difference disappears, and on the 6th there is more procaine in the plasma. Paraaminobenzoic acid disappears from the plasma to a great extent, and is concentrated in the corpuscles following irradiation. Drugs of a cationic nature have higher levels in the plasma after irradiation because their bonding increases; in drugs of an anionic nature the bonding in the plasma after irradiation decreases. 1 Figure, 2 Western, 5 Czech references. Submitted at 14 Days of Pharmacology at Smolenice, 16 Feb 66.

1/1

SETKINA, V.N.; KURSANOV, D.N.; VITT, S.V.; MARTINKOVA, N.S.

Isotopic exchange of hydrogen of primary alkyl chlorides in the presence of aprotic acids. Izv.AN SSSR.Otd.khim.nauk no.11: 2081-2083 N '61. (MIRA 14:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Hydrogen--Isotopes) (Chlorides)

VITT, S.V.; MARTINKOVA, N.S.

Dehydrogenation of secondary alcohols by homogeneous basic catalysis. Izv.AN SSSR.Otd.khim.nauk no.6:1125 '62. (MIRA 15:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Alcohols) (Dehydrogenation)

SHINGLYAR, Mikhal [Singliar, Michal], inzh.; MARTINKOVA, N.S. [translator]; ATLASOV, A.G., red.

[Gas chro- aphy in practice] Gazovaia khromatografiia v [illegible]ke. Moskva, Izd- "Khimiia," 1964. 194 p. (MIRA 17:5)

VITT, S.V.; MARTINKOVA, N.S.

Hydride mobility in alcoholates. Izv. AN SSSR. Ser.khim. no.3: 524-530 Mr '64. (MIRA 17:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

BRACHFELD, K.; MARTINKOVA, V.; SVATY, J.

Congenital developmental defects of the central nervous system in the 2d Pediatric Clinic during the past 15 years. Cesk. pediat. 17 no.5/6:476-482 Je '62.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi University Karlovy v Praze, vedouci prof. MUDr. J. Houstek.

(CENTRAL NERVOUS SYSTEM abnorm)

FABIAN, P.; MARTINKOVIC, A.

A case of hemolytic disease in a newborn infant conditioned by simultaneous isoimmunization in the ABO and Rh systems, cured by 4 exchange transfusions. Cesk. pediat. 16 no.7/8:702-705 Jl-Ag '61.

1. Detske oddelenie KUNZ v Banskej Bystrici, predn. MUDr. P. Fabian - Krajska transfuzna stanica v B. B., predn. MUDr. A. Martinkovic.

(ANEMIA HEMOLYTIC in inf & child)
(INFANT NEWBORN diseases)
(BLOOD TRANSFUSION in inf & child)

CALKOVSKA-SIGIDOVA, Z.; MARTINKOVIC, A.

Hemolytic disease of the newborn caused by isoimmunization with anti-c(Hr'). Cesk. pediat. 18 no.7:599-604 Jl '63.

1. Krajska transfuzni stanice v Banske Bystrici, prednosta MUDr. A. Martinkovic Detske oddeleni KUNZ v Banske Bystrici, vedouci MUDr. P. Fabian.

(ERYTHROBLASTOSIS, FETAL)
(PREGNANCY COMPLICATIONS)
(BLOOD TRANSFUSION)
(EXCHANGE TRANSFUSION)

METELKIN, A.I., kand.tekhn.nauk; SUCHKOV, V.G., kand.tekhn.nauk; ZURABYAN, K.M., kand.tekhn.nauk; MARTINKOVSKAYA, Yu.S., tekhnik

New developments relating to the characteristics of fat-liquoring materials. Kozh.-obuv.prom. 3 no.8:27-30 Ag '61. (MIRA 14:10)
(Leather) (Oils and fats)

MARTINKOVSKIY, D.

Smelting of steel in oxygen converters. Prof.-tekh. obr. 19 no.7:15-17 Jl '62. (MIRA 15:12)
(Bessemer process)

MARTINKUS, A.

Endotracheal ether-oxygen anesthesia in experimental traumatic shock in dogs. Sveik. apsaug. 8 no.4:8-15 Ap'63.

1. Lvovo apygardos karines ligonines eksperimentine laboratorija.

MARTINC, E.

" The Floating Spawn," p. 19.
(Priroda I Znanie, Vol.6, No.5, May 1953, Sofiya.)

SO: Monthly List of ~~Russian~~ East European Accessions, Vol.2, No.9 Library of Congress, September 1953, Uncl

MARTINO, K.V.

Bulgarian Institute of Fisheries. Priroda 45 no.11:61-63 N '56.
(Stalin, Bulgaria--Fisheries--Research)

MARTINO, K.V.; KARAPETKOVA, M.S.

Quantitative study of food relationships in fishes [with summary in French]. Zool.zhur. 36 no.3:425-431 Mr '57. (MLRA 10:5)
(Fishes--Food)

MARTINO, K.V. (Kharabali, Astrakhanskaya obl.)

Lizard snakes (Malpolon monspessulanus Herm.) exterminate vipers.
Priroda 50 no.9:109-110 S '61. (MIRA 14:8)
(Chernyye Zemli—Serpents)

MARTINO, K.V.

Determining the number of the snakes Malpolon monspessulanus Hermann in the western part of the Caspian Lowland. Zool.zhur. 41 no.1:145-147 Ja '62. (MIRA 15:4)

1. Kharabali Anti-Plague Section, Astrakhan region.
(Caspian Lowland--Snakes)

MARTING, K.V.

Sexual dimorphism and [illegible] of the genus Malpighia monspessulanus Hermann. Biul. [illegible] 69 no.4:135-139 Jl-Ag '64. (MIRA 17:11)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032610004-4"

MARTINO., V.

MARTIN , V. Material on the study of fleas(Aphaniptera) in Bulgaria. p. 417. Vol. 4/S, 19[illegible] Izvestila, Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1[illegible]

MARTINO, V.

MARTINO, V. Material contributing to the clarification of the zoogeographic characteristics of Nekose Valley and the surrounding mountains. p. 435. Vol. 4/5, 19[illegible] IZVESTIIA, Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAI) Vol. 6, No. 4--April 1[illegible]

MARTINO, V. E.

"Zoogeographical Zones Around the Mediterranean Sea Compared with Those of Tundras and Taigas."

report presented at Conference on Dry Land Zoogeography, L'vov, 1-4 June 1957 (Izv. Ak Nauk Ser. Geog. 1958, No. 2, p 155, Author: VORONOV, A. G.).

MARTINO, [illegible] - "Experience in the analysis of [illegible] and the geographical distribution of animals in the northern portion of the Balkan peninsula". Moscow, 1960. 12 pp (Acad Sci USSR, Inst of Geograph). 110 copies (XL, No 14, 1960, 12[illegible])

MARTINO, V.E.

Basic biocenosis and its possible role in biogeography. Vop. ekol. 4:51 '62. (MIRA 15:11)

1. Gosudarstvennyy universitet, Rostov-na-Donu.
(Biotic communities)

MARTINOV, As. P.

Agranulocytosis in the treatment of thyrotoxicosis with alkyron. Suvrem.med., Sofia 6 no.1:95-97 1955.

1. Iz Okoliiskata bolnitsa gr. Plovdiv (zav. butreshno otdelenie: Iv. Tsonchev, gl. lekar: Ivanchev)

(HYPERTHYROIDISM, therapy, alkyron, causing agranulocytosis)

(AGRANULOCYTOSIS, etiology and pathogenesis, alkyron ther. of hyperthyroidism)

TSONCHEV, Iv.; MARTINOV, As.

Two Q fever epidemics in the Plovdiv region. Izv. Mikrob. inst., Sofia no.8:611-639 1957.

1. Vutreshno otdelnie (zav. otd.: d-r iv. Tsonchev) pri okoliiskata bolnitsa v plovdiv.
(Q FEVER, epidemiol.
in Bulgaria (Bul))

TSONCHEV, I.; PACHEDZHIEV, L.; MARTINOV, A.

Pheochromocytoma; modern diagnostic and therapeutic possibilities. Khirurgiia, Sofia 10 no.12:1086-1092 1957.

1. Visah meditsinski institut "I. P. Pavlov"--plovdiv katedra po propedevtichna: khirurgiia Zav. katedrata: dots. Iuri Toshev Okoliiska bolnitsa--plovdiv.

(PHEOCHROMOCYTOMA,
diag. & ther. (Bul))

MARTINOV, A.; MANDULOV, V.; APOSTOLOV, G.

Organic diseases caused by Salmonella brandenburg. Suvrem med., Sofia no.1:39-42 '61.

1. Okruzhna bolnitsa, Plovdiv (Gl. lekar St. Kushev) i Okruzhna sanitarna epidemichna stantsiia, Plovdiv. (Gl. lekar Iv. Genev.)

(SALMONELLA INFECTIONS)

MARTINOV A.S.

GRAMENITSKIY, I. M., IVANOVSKAYA, I. A., KANAFEK, T., MARTINOV, A. S., TIKHONOVA, L. A. and CHINTO, I. V.
OKHRIMENKO, L. S., PROKESH, A., STRUGALSKIY, S. S.

"Neutral Strange Particles Production on Xenon Nuclei in the 9 Gev/c π^- Meson Beam"

report presented at the Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

Joint Institute for Nuclear Research
Laboratory of High Energies

MARTINOV, A.J.

GRAMENITSKIY, I. M., IVANOVSKAYA, I. A., KANAREK, T., MARTINOV, A. G., OKHRIMENKO, L. S., PHOKEEV, A., TIKHONOVA, L. A.

"Cross-Section of the Generation of π°-Mesons in the Coulomb Field of the Xenon Nucleus at the Momentum of Primary π^{-}-Mesons 9 Gev/C"

report presented at the Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

Joint Inst. for Nuclear Research
Lab. of High Energies, Dubna, 1962

MARTINOV, L.

MARTINOV, L. Some conclusions corrected with the use of standards for concrete building material. p. 41.

Vol. 6, no. 3, Mar. 1956 RATSIONALIZATSILA Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10 Oct. 1956

MARTINOV, M. R. BOZHKOV,

Whirlwind around the vertical axis of Vitosha Mountain on June 14, 1956. p. 59. (Khidrologhia I Meteorologiia, No. 5, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no.6, June 1957, Uncl.

MARTINOV, M.

"Evolution of cloudiness and precipitations along warm fronts over the Balkan Peninsula and over Bulgaria in particular."

KHIDROLOGIIA I METEOROLOGIIA, Sofiia, Bulgaria, No. 3, 1959.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

S/169/61/000/008/028/053
A006/A101

AUTHOR: Martinov, M.

TITLE: Cold fronts of the western quarter, connected with frontogenesis or frontolysis over the Balkan Peninsula

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 8, 1961, 44-45, abstract 8B304 ("Khidrol. i meteorologiya", 1960, no. 5, 51-61, Bulgarian; Russian and English summary)

TEXT: The article deals with results of synoptic investigations of cold fronts moving towards the Balkan Peninsula from the north-west, west and south-west; their recurrence and conditions, entailing frontogenesis or frontolysis in this region. Data are used which had been obtained by studying the evolution of cloudiness and precipitations on the cold fronts in this area, in particular over Bulgaria, during 1953 - 1958. From 123 cases investigated, 94 cases are related to the western quarter. Of these fronts, connected with Atlantic and Mediterranean cyclones, the following ones are singled out: 1) fronts rapidly moving from the north-west (1/8 of all cases, prevailing during the cold half year season); 2) fronts, slowly moving with wave disturbances (3/4 of all cases)

Card 1/3

S/169/61/000/008/028/053
A006/A101

Cold fronts of the western quarter ...

a) in the frontal section of the western anticyclone or crest (about 1/4 of all cases) and b) in the baric, usually secondary cyclone depressions; 3) fronts connected with wave disturbances, deforming over the Balkan Peninsula (Roumania) are observed relatively seldom, mostly in September - December. The fronts of group one are characterized by cyclonic circulation over almost the whole of Europe with a dynamically important frontal zone. This zone passes towards the south-east between a cyclone over Scandinavia or the Baltic region and an anticyclone over the Atlantic Ocean. It is accompanied by a stormy inflow to the continent of cold air of oceanic origin. The thermobaric field at the altitudes is similar to that near the ground. The homogeneous stream up to great altitudes and a rapid anticyclogenesis promote frontolysis with lesser cloudiness and precipitations. Group 2a includes fronts observed (almost exclusively from April to August) at a zonal development of the Azore anticyclone or crest in its frontal section. They are connected with short-term convective precipitations which may transform into continuous precipitations at a frontogenesis over Hungary and to its west, when there arises a baric depression. These fronts appear distinctly in altitudes, but secondary waves are usually not observed. Group 2b includes the majority of fronts of the western quarter with maximum recurrence in April and May; they are connected with cyclones arising over the south-eastern European

Card 2/3

S/169/61/000/008/028/053
A006/A101

Cold fronts of the western quarter ...

regions and the Miditerranean when the Azore maximum spreads to the north-east, sometimes reaching Poland and Roumania, with frontogenesis and formation of secondary cyclones over Hungary and Yugoslavia. Precipitations are considerable on these fronts, but a strong frontolysis is observed during the passage of filling-up cyclones. During the formation of an altimetric cyclone over Bulgaria considerable precipitations do almost always occur on the cold fronts in Mediterranean cyclones. Rare cases of fronts included in group 3 are connected with a cyclonic and gradientless baric field over a great part of Erope with the development of the Azore maximum crest in Western Europe (including western regions of the USSR), and large baric depressions passing through the south-east of Europe toward Italy. They are accompanied by the development of secondary cyclones. Weakly marked cold fronts to the north-west of Bulgaria are activated at an anticyclonal transformation of the baric field over Roumania. In this case the convergence of north-west and north-east streams near the ground at a southern stream in the height is an important factor for the formation of frontal cloudiness and precipitations.

A. Sintsov

[Abstracter's note: Complete translation]

Card 3/3

MARTINOV, M.

Evolution of the cloudiness and rainfalls on the warm fronts of the Balkan Peninsula, and especially over Bulgaria. Trud Inst khidro meteor no.11:173-205 '61.

MARTINOV, M.; ZAKHARIEV, V.

Two instances of strong cyclogenesis over Europe; February 12-13, and February 16-17, 1962. Khidro i meteorolog no.2:28-39 '62.

MARTINOV, M.; ZAKHARIEV, V.

Peculiarities of the atmospheric circulation over Europe in January 1963. Khidro i meteorolog no.2:40-51 '63.

MARTINOV, M.

Preconditions for a cyclogenesis over Bulgaria under the influence of southern cyclones. Khidro i meteorolog 5 35-40 '63.

MARTINOV, Martin Iv.

Evolution, present conditions, and probable future development of the earth's climate. Priroda Bulg 12 no. 6:39-42 N-D '63.

MARTINOV, N.

Direction of screw in the three-dimensional projected space. p. 95. (GODISHNIK. MATEMATIKA I FIZIKA, Vol. 49, No. 1, 1954/55 (Published 1956), Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sep 1957. Uncl.

MARTINOV, N.; SENDOV, Bl.

Graphs connected with the theory of mechanisms. Doklady BAN 15 no.2:111-113 '62.

1. Predstavleno chl.-korr. B. Petkanchinym [Petkanchin, B.]

MARTINOV, N.

Autopolar surfaces of the second order. Vest.Mosk.un.Ser. 1: Mat., mekh. 18 no.3:38-43 My-Je '63. (MIRA 16:6)

1. Kafedra vysshey geometrii i topologii Moskovskogo universiteta. (Surfaces)

MARTINOV, Nikola; SENDOV, Blagovest

Graphs with an operation of completion. Godishnik fiz mat 56 no.1:127-138 '61/'62 [publ. '63].

BORISOV, M.; STAINOV, G.; MARTINOV, N.

Ion oscillation of plasma in the cathode region of glow discharge. Doklady BAN 17 no.1:9-12 '64

1. Predstavleno akad. G. Nadzhakovym, chlen Redaktsionnoy kollegii, "Doklady Bolgarskoy Akademii nauk".

ACC NR: AP7003863 SOURCE CODE: BU/0011/66/019/012/1119/1121

AUTHOR: Stainov, G.; Martinov, N.

ORG: Institute of Physics, Bulgarian Academy of Science

TITLE: Excitation of ionic wave by beam-plasma interaction

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 12, 1966, 1119-1121

TOPIC TAGS: ion interaction, plasma interaction, plasma beam interaction, PLASMA WAVE, DISPERSION EQUATION

ABSTRACT: A theoretical study was made of the spectrum of ionic waves in a homogeneous plasma located in a constant external homogeneous electric field and interacting with a beam of charged particles. The plasma was assumed to consist of single-charge ions. Dimensionless equations were obtained from the general equations for wave dispersion with the aid of Fok's method (V. A. Fok. Diffraktsiya radiovoln vokrug zemnoy poverkhnosti. AN SSSR, 1946). The solution of the dispersion equation for the interval

$$-\frac{3}{2}\pi+\frac{\Omega}{\Sigma}>\delta>-2\pi+\frac{\Omega}{\Sigma}$$

will describe damped and undamped waves. Σ is a positive number exceeding a unit, while Ω can be a positive or a negative number, depending on the relation between the phase velocity of the excited waves and the drift velocity of the plasma electrons

Card 1/2

ACC NR: AP7003863

and the beam particles; δ is $\delta = \theta_i \xi_i < 0$, where θ_i is a real number characterizing the frequency of the excited waves and ξ_i is a number characterizing the excitation coefficient. The undamped waves exist within the interval $\operatorname{arc\,tg}\left[\frac{\omega}{\Sigma} - \omega\tau_2\right] > \delta > -2\pi + \frac{\omega}{\Sigma}$, where τ_2 is the relaxation time of ions. The width of the interval depends essentially on the ion's frequency collision. With an increase in the frequency collision (small relaxation times) in relation to the wave frequency, the width of the interval tends toward zero. Orig. art. has: 7 formulas. [WA-71]

SUB CODE: 20/ SUBM DATE: none/ OTH REF: 001/ SOV REF: 006

Card 2/2

MARTINOV, S.I.

Comparative tests of some preparations for the control of powdery mildew, Uncinula necator Schw. Burr. Oidium Tuckeri Berk.), of the vine. S. I. Martinov. *Pamphlet Plant Protection Inst., Sofia* 1938, 1-14; *Rev. Applied Mycol.* 17, 726. Two treatments with a S-contg. spray following 3 dustings with S gave better protection to vines against powdery mildew (*U. necator*) than 6 S dustings. Of the sprays used best control was given with 1 to 80 lime sulfur which, however, caused slight scorching especially with resin soap. Plodwood (proprietary wettable S) was about as good (especially with resin soap) and caused no scorching. Barsa (Ba polysulfide) also gave satisfactory results without scorching. Lime sulfur with 1% Bordeaux mixt. was effective against *U. necator* but caused severe scorching. Olen E. Sheppard

MARTINOV, S.

"Production of healthy potato seeds by planting potatoes twice.", p 15, (KOOPERATIVNO ZNAMEDELIE, Vol 6, #1, 2, Jan/Feb 1951, Bulgaria)

East European Vol 2 #8
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, August 1953, Uncl.

BULGARIA/Plant Diseases - Diseases of Cultivated Plants. U.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16029

Author : Martinov, S.I.
Inst : -
Title : Grape Gray Mold.
(Seraya gnil'vinograda).

Orig Pub : Lozarstvo i vinarstvo, 1956, 5, No 4, 212-214.

Abstract : The gray mold chiefly attacks the ripe berries. The disease is especially wide spread in the autumn with the fall of rain and dew. The spores of Botrytus cinerea are resistant to many poisons but are sensitive to the formalin and sulfur anhydride pair. It is recommended that conditions be created which are conducive to proper aeration. Very good results were obtained when the area where the grapevine was stored was fumigated with sulfur dioxide at the rate of 40-60 grams per 1 cubic meter.

Card 1/2

COUNTRY : BULGARIA
CATEGORY : Plant Diseases. Cultivated Plants. C

ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11364

AUTHOR : Partiley, S. I.
INST. : Sofia Institute of Plant Protection
TITLE : The Status of the Problem of Virus Diseases of the Grape-vine at the Congress on the Degeneration of Grape Plants Held at Verona (Italy) in 1956.

ORIG. PUB. : Byul. nastit. zashchita, 1957, 6, No. 4, 23-26

ABSTRACT : Investigation of the virus diseases of the grape plant has been conducted in Bulgaria since 1934. Artificial infection by grafting an affected vine on different varieties of the stock made it possible to isolate 3 groups of viral diseases: chlorosis, mosaic and short internodes. Subsequent work revealed other viruses also, the classification of which has not yet been worked out. A detailed description of the symptons of the diseases is given. The resolutions of the Congress on the classification of the virus diseases and a critique of the class-

CARD: 1/2

STRAKA, IU.; MARTINOV, Sv.; STANCHEV, P.; DRAGUNCHEV, K.

Hydrochemical studies of thermomineral springs. Khidrotekh i melior 7 no.3:90-92 '62.

MARTINOV, S.; LIMONADOV, K.; STRAKA, IU.

Thermomineral water pressure systems in southern Bulgaria. Spis Bulg geol druzh 25 no.3:213-228 '64.

1. Vodokanalproekt Research and Design Institute, Sofia. Submitted April 1, 1963.

PETROV, P. St.; MARTINOV, Sv. L.

Some conslusions from the latest hydrogeologic studies of thermal water deposits in southern Bulgaria. Izv Geol Inst BAN 11:267-282 '62.

SCHTEREW, K. D. [Shterev, K. D.]; MARTINOW, S. L. [Martinov, S. L.]; LEWTEROW, B. K. [Levterov, B. K.]

Bulgarian mineral waters. Vest Ust geol 39 no. 1: 47-52 '64.

1. Ministerium fur Gesundheitswesen und soziale Fursorge, Sofia.

MARTINOV, V.

"Studies of the Wild Rabbit in Bulgaria; Subspecies Belonging to the Wild Rabbit in our Country." p. 55, Izvestiia, Sofiya, Vol. 2, 1953

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

MARTINOVA, M.

Late sequelae of surgical [illegible] of [illegible] of the extremities. Acta chir. orthop. traum. cech. 31 [illegible] 485-490 [illegible] 64.

1. Klinika plastické lékařské fakulty University J.E. Purkyně, Brno. (predností - doc. dr. V.Kubásek, CSc).

MARTINOVIC, A.

Contribution to the study of species of Anopheles maculipennis complex (Anopheline, Culicidae) in the Tancevac Swamp and surrounding area in 1949-50, p. 265, (HIGIJENA, No. 5/6, 1953, Belgrade, Yugoslavia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Incl.

VUKASOVIC, P.; BORJANOVIC, S.; MARTINOVIC, A.

Preliminary studies on resistence of human lice (pediculus humanis corporis); resistence of insects to insecticides. Glasn. Hig. Inst., Beogr. 5 no.1-2:1-40 Jan-June 56.

(PEDICULI, eff. of drugs on insecticides on body lice (Ser))
(INSECTICIDES, eff. on body lice (Ser))

MARTINOVIC, B.

"French petroleum economy." p. 392. (Nafta, Vol. 4, no. 12, Dec. 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

STOSIC, Darko, dr (Simina 22a, Beograd); RUZICIC, Nikola, dr, redovni profesor; MILOSEVIC, Perisa, dr, docent; PANIC, Bozidar, inz., asistent; MARTINOVIC, Borka, asistent

Study of the degree of homogenization in the mixtures of livestock fodder by applying radioactive isotopes. Technical and economical aspects. Tehnika Jug 17 no.6:Suppl.: Radioizotopi zrac 1 no.6:1050-1056a Je '62.

1. Savetnik Savezne komisije za nuklearnu energiju, Beograd. 2. Poljoprivredni fakultet Univerziteta u Beogradu (for Ruzicic, Milosevic Panic). 3. Institut za primenu nuklearne energije u poljoprivredi, veterinarstvu i sumarstvu, Zemun (for Martinovic).

MARTINOVIC, Bosko

The post, telegraph, and telephone traffic in 1961.
PTT Zajed 4 no.5:10-14 S-O '62.

MARTINOVIC, Bosko

Business volume of the Yugoslav Postal, Telegraph, and Telephone Services in 1962. PTT Zajed 5 no.3:18-22 My-Je '63.

MARTINOVIC, Bosko

Analysis of the effect of changes in the system of income accounting. PTT Zajed 6 no. 2:28-34 '64.

MARTINOVIC, Susan J.

Natural conditions, [illegible] and [illegible] development [illegible]. Stefan. Geogr nor [illegible]

GRESIKOVA, M.; HAVRANEK, I.; GORNER, F.; technical assistance: LUZICOVA, V.; MARTINOVIC, K.

The effect of pasteurisation on the infectivity of tick-borne Encephalitis virus. Acta virol.Engl.Ed.Praha 5 no.1:31-36 Ja '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.
(ENCEPHALITIS EPIDEMIC virol)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

B3

1

Plant diseases and pests in Serbia during 1950. M. Martinović and P. Bizgović (*Plant Protect., Belgrade*, 1950, 1, No. 2, 59–68). — Incidence and intensity of attack of economic plants by mammalian and arthropod pests, mould, bacteria, and viruses are reported.
R. Tavcar

COMMON ELEMENTS

OPER.

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

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Possibility of preventing potato sprouting. Milica Martinović (Inst. Plant Protection, Zemun, Yugoslavia). *Zaštita Bilja* 1951, No. 5, 18-21(1951)(English summary).—Regulex (I), a formulation contg. 2% of 1-naphthaleneacetic acid, prevented potato sprouting when it was applied at a level of 140 g./100 kg. of tuber. The treated potatoes were stored in cellars in which the temp. was 7-8° during the winter and 15-18° during the spring. If potatoes are to be kept for food into midsummer, they require addnl. treatment. Three dustings at intervals of 20 days kept potatoes till the beginning of July. Treated potatoes had normal color, consistency, and taste. Seed potatoes should not be dusted with I, since it prevents sprouting. I has no fungicidal effect.

Nellie M. Payne

AM

MARTINOVIĆ (M.). Заштита Шљива од рожаца. [Protection of Plum trees from pocket plum.] Заштита Биља [*Plant Prot., Beograd*], *1951*, 8, 33-38, 1 pl., 1951. [English summary.]

From 1947 to 1951 experiments were conducted in several plum-growing regions of Yugoslavia for the control of pocket plum (*Taphrina pruni*) [*R.A.M.*, 27, p. 26], which was extremely destructive in 1948, is very widespread in the country, and threatens the economically important Požegača variety. Heavy rains during the flowering period are favourable to the disease. Excellent control was obtained by spraying the trees, from crown to base, three to four weeks before flowering with either 1 to 2 per cent. Bordeaux mixture or lime-sulphur (26° Baumé [ibid., 30, p. 599] diluted 1 10). Similar results were obtained with ammonium dinitro-cresolate which also destroyed all lichen and moss on the trees.